Appendix H

Prescription Parameters
Fire Behavior Chronology
May 21, 2000

Outlet Prescribed Fire Project
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Prescription parameters for the Outlet Prescribed Fire Project covering the Tiyo and Widforss sub-units cover a wide spectrum of potential fire behavior. This maximizes windows of opportunity for conditions which will enhance burning to meet the project objectives. This range does include some extreme possibilities should the hottest, driest, and windiest conditions be selected at the same time. At this extreme edge the resource and control objectives can not be met. However, observed fire behavior and calculated fire behavior for the conditions that existed between 4/27 and 5/09/2000 were well within prescriptive criteria to meet the resource and control objective in the plan

Ignition began on 4/27 on the both sub-units. The Tiyo sub-unit was an aerial ignition within established control lines, while the Widforss sub-unit consisted of hand ignitions to complete control lines prior to aerial ignition. The Widforss burn hand ignitions produced low intensity burning within the surface fuels with flame lengths under 1 foot in the shaded areas and moderate fire behavior in the more open exposed fuels. This lower level of activity resulted in repeated re-entry over previously ignited areas in an attempt to achieve meaningful consumption to meet control objectives in the shaded areas.

Observed fire behavior throughout the duration of the prescribed burn were flame lengths of <1-3 feet in surface litter to over 8 feet in jackpots of downed woody fuels. Most spread was slow surface movement with occasional torching of single to triple trees. This limited torching produced firebrands which resulted in short range spotting up to 300 feet. The predominate spotting direction was into the burn unit until May 9th when winds shifted to the north and west. Interior torching then became a concern as these shifting winds sent short-range spots over the control lines to the east. Since spot fires were active outside the control lines, firing ceased and all detected spots were contained by available holding forces during that operational period.

In summary the predicted, observed, and verified fire behavior during the prescribed fire behavior operations were well within acceptable limits to meet stated resource and control objectives identified in the *Outlet Prescribed Fire Project Plan*.